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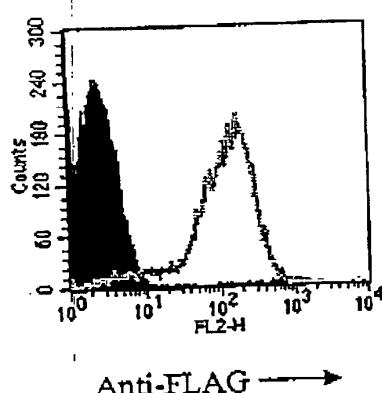


Figure 1

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10	30	50	70	90
ACCACTCTTCATTCCTGCTGAGAATGTTCCGGCTGACTGAGAAGTAA	AAATTCACTCTCTGAGAACTCTTACCTTACCCAGCCCTGTTGA			
110	130	150	170	
1 AGAAATTCCAGAAATGTTGATGGAGCAACTTACATGGAGGAGATATGG	GGCTCTGGCTTCGGCTCTGGCTCTGGCTCTGGCTCTGGCTCTGG			
190	210	230	250	270
19 S I L Q M M N I S C P Q C N E N A S C F N S T H C V C K	W I L I W 18			
GTCAATTAGTAAATGATGAAATTTCAGCTTCTGCTCCATGGAAATGCA	ATGGCTTCAGCCTCTCAAGCCTCTCAAGCCTCTCAAGCCTCTCA			
290	310	330	350	
49 E G F W T G S E N R R I I E P H E K C Q D I N E C L L K E L	78			
AGAAGGATTCGAAAGGGCTCTGAGAAATAGAGAAATGAGAAATTTG	GGCCCGATGAGAAATGTCAGAAATTTAGTGTGTCTACTGAAAGATT			
370	390	410	430	450
79 V C K D V S Y C R N K I G T Y I C S C V V K Y P L F N W V A	108			
GGTATGCCAGGATGTTGCTGAGAAATTGGGACTTACATTTGCGCTGTG	TTAGTAAATATCCTTGTCACTGGTAGTAAATATCCTTGTCACTGGTAGC			
470	490	510	530	
109 G I N I D H P D C Y V N K S K N T G S K T H T L G V L S E	138			
TGGCAATTAAATATGATCACCTGTATGTTAGTGTGCAAGGAAATCAGGAT	AAACCATCTTGGAGTACTTGGAGTACTGAGTCA			
550	570	590	610	630
139 F K S K E E V A K G A T X L R K V E H H I L N E N S D I P	168			
ATTTAAATCCPAAAGGGAGGTGCAAAAGGGTACCTAGTTTACTCGCAAAGTG	ACATCTTGTGAACTGAAACTGAGTAAACTGAGTAAACTGAGTAA			
650	670	690	710	
169 K X D E N P L L D I V Y E T K R C K T M T L L E A G N N T M	198			
AAAAGGGATGAAATCCTTGTGATGTGTTAGTGTGTTAGTGTGTTAGTGTG	TTAGTGTGAACTGAGTGTGAACTGAGTGTGAACTGAGTGTGAACTG			
730	750	770	790	810
199 K V D C T S G F K E H N S G G E T A V A F I A Y K S I G N L	228			
GAAGGTGACTGACTGACTGACTGACTGACTGACTGACTGACTGACTG	GAAGGTGACTGACTGACTGACTGACTGACTGACTGACTGACTGACTG			
830	850	870	890	
229 L N G S F F S N E E G F Q E V T L N S H I V S G A I R S E V	258			
TCTTAAATGTTCTCTTGTGTTAGTAAATGAGGTTGAGTGTGAACTCTG	CTGAACTCTGCTGAGTGTGAACTCTGCTGAGTGTGAACTCTGCTGAGGT			

Figure 2

100% 135% 146% 200%  
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Figure 2 (continued)

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		1890	1870	1850	1830	1810
9	K T V R L I V A Y L F T I I N V I Q G V L I F K V H C L N	588				
9	GAAGACAGTCTGTTGCTATCTGTCATCTCATGTCCTGGAGGTTGATATTGGTACATGTCCTGCTAA					
9	1910	1910	1910	1910	1910	1910
9	R Q V R M E Y K K W F H R L R X E V S E S T E V S H S T T	649				
9	TGGCAAGGTGGGATGGAAATAGAAGTGGTTCTAGCTGGGAGGAACTGTTGAAAGTGAATCTACTAC					
9	2050	2050	2050	2050	2050	2050
19	H T K M G L S L N L E N F C P T G N L H D P S D S I L P S T	678				
19	TCAACACAAATGGCTCTTCCTGAACCTGGAAATTCTGCCCTGATCCTTGACTCCATCTCCAGGATAC					
19	2130	2130	2130	2130	2130	2130
19	2090	2090	2090	2090	2090	2090
49	E V A G V Y L S T P R S H M G A S D V N S G T H A Y W S R T	681				
49	TGAAGTAGGAGGGTGTATATCTAAGGCAACCCAGGCTCAGTGGTGTGAAGCTGGTACATGGTCA					
49	2230	2230	2230	2230	2230	2230
49	2210	2210	2210	2210	2210	2210
49	2176	2176	2176	2176	2176	2176
79	I S D T ATTGTGATTGAAATCAGTCCTTCCCGAGCCCTTACAGTACATTTCAGCTGCTATTTGCTAG	2330				
79	TATTGTGATTGAAATCAGTCCTTCCCGAGCCCTTACAGTACATTTCAGCTGCTATTTGCTAG					
79	2290	2290	2290	2290	2290	2290
79	2270	2270	2270	2270	2270	2270
79	TCTGGTAAACACTGTTGCATTTCCATGATCTTTATCTCCTACTGTTGCAAGTTAGCTTCTATTCATTTTATTC	2430				
79	2410	2410	2410	2410	2410	2410
79	2370	2370	2370	2370	2370	2370
79	2350	2350	2350	2350	2350	2350
79	TCTTCTTTGGTTATATGCTCTTCTGTTGAGGGTTCTAGTCTTAAATTGAGGTAAATATAGTTACATCATTTTCAGTTACCTTATTG	2510				
79	2450	2450	2450	2450	2450	2450
79	2470	2470	2470	2470	2470	2470
79	2550	2550	2550	2550	2550	2550
79	2530	2530	2530	2530	2530	2530
79	TTCCTTCCCAATCCCTCTATACCTTTCCTGGTTCTCATTTTATTTGTTCTACATGCATATACTTATGCAAACTATATAT	2690				
79	2670	2670	2670	2670	2670	2670
79	2650	2650	2650	2650	2650	2650
79	2630	2630	2630	2630	2630	2630
79	2770	2770	2770	2770	2770	2770
79	2750	2750	2750	2750	2750	2750
79	2730	2730	2730	2730	2730	2730
79	2710	2710	2710	2710	2710	2710
79	2810	2810	2810	2810	2810	2810
79	2850	2850	2850	2850	2850	2850
79	2830	2830	2830	2830	2830	2830
79	2810	2810	2810	2810	2810	2810

Figure 2 (continued)

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2890 2910 2930 2950 2970  
GCATCTAGGAGTGTCTACCTTGATACACCTTATGGTATTCACATGCCATGGTATTGTGTGTCTGAGGGTGTGAAATT  
2990 3010 3030 3050  
TAAGGGTGTATGATCAGTTTAATGGCCATTTTATATTGGGGTGTGGCTTGTTGAGGATAATGGTATATTCCCTGATCTGCA  
3070 3090 3110 3130  
TCTTTCATCTGTATTTTCCCTGGCATCTTATTCAACAAGACCTAGAGGCTTGGTTTATRACTTTTCCTCCATAGAATACATT  
3170 3190 3210 3230  
TGTCCTCAGGATTCAGTATGTCATAATTCTTATAGCTGATGAAATATCATGAGTAAATCTGTTACTGTTATAATGAACTG  
3250  
GCAATATGCTGAGGAA

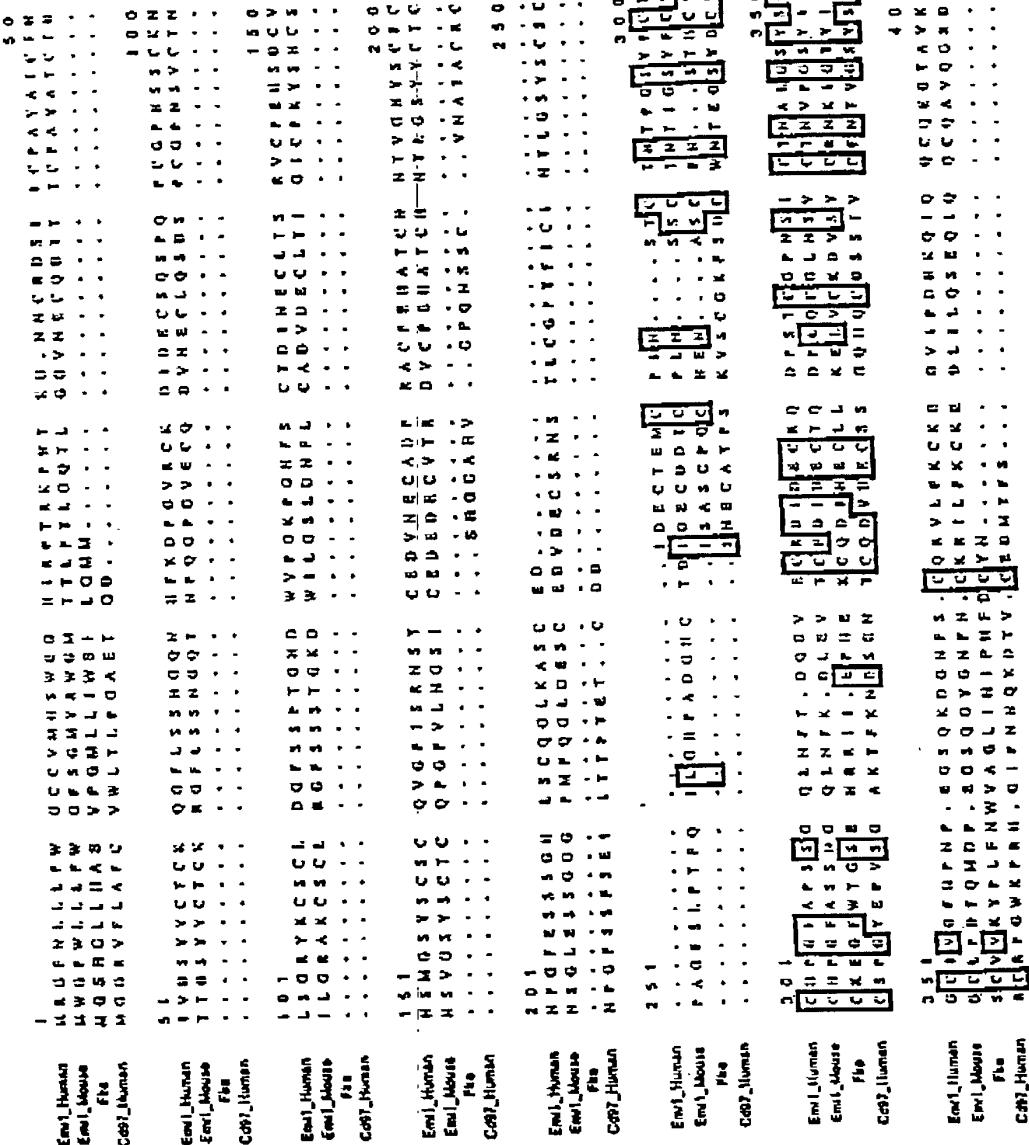
Figure 2 (continued)

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Figure 3 (continued)

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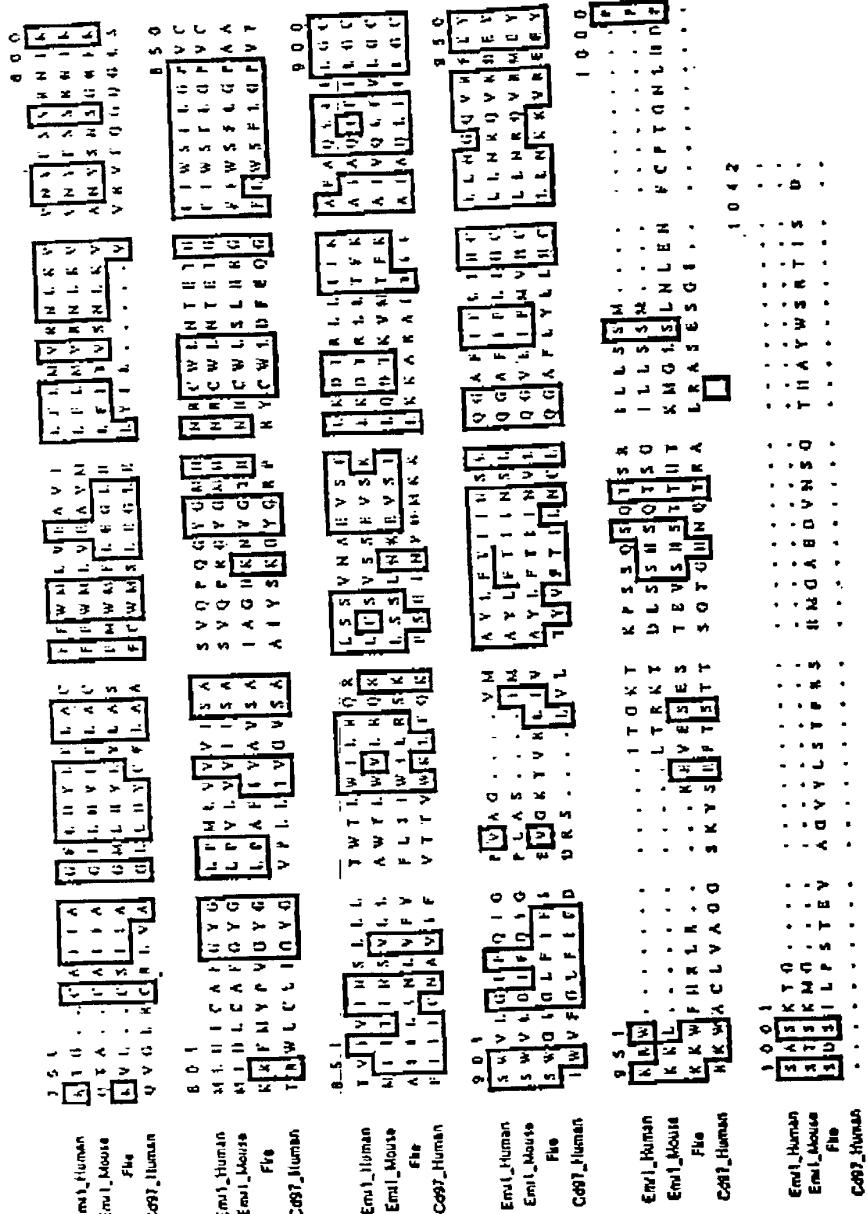


Figure 3 (continued)

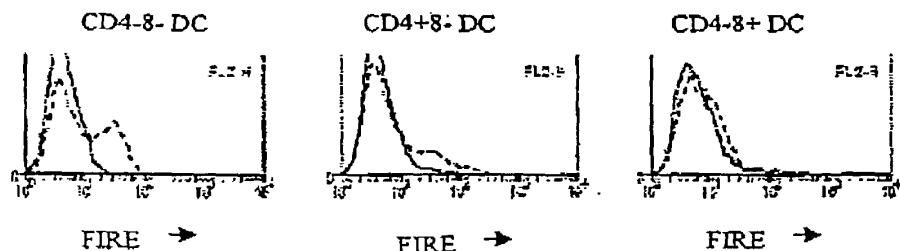
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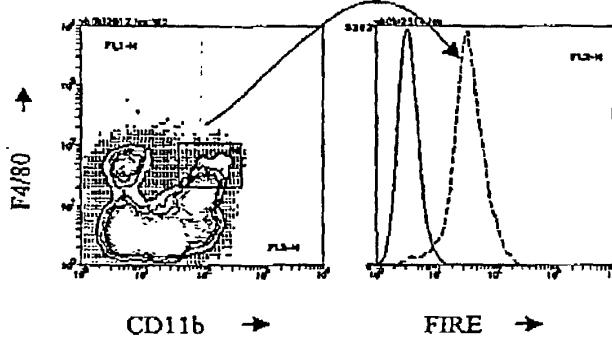
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A)



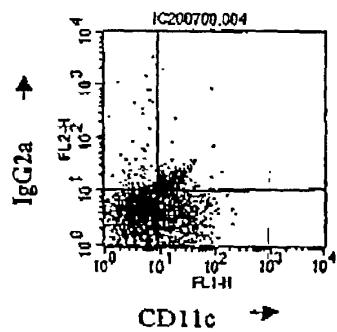
B)



C)

E)

D)



E)

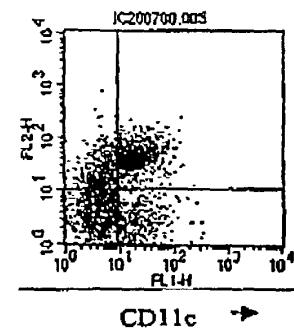


Figure 4

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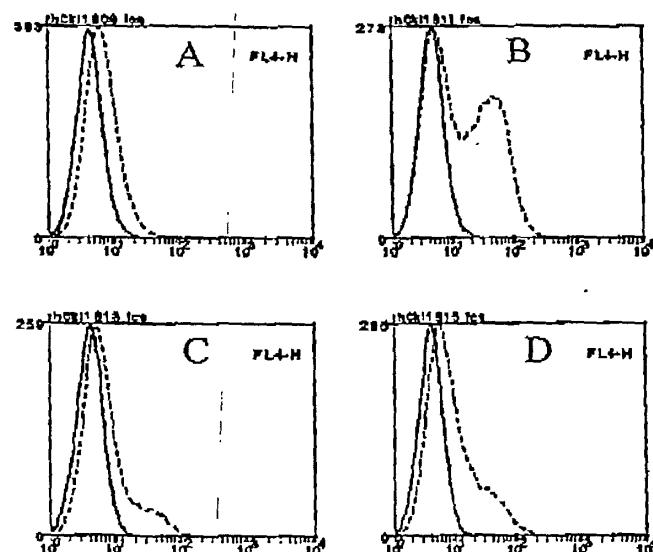


Figure 5

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A S C P C P K Y A S C H N S T H C T C E D G F R A R S G R 90  
 GCTTCCTGCTCCATGCCCTTATGCCAGCTGCCACAACAGGCCACTGACTTGTGAGATGGCTTCGGGGCGGGTCTGGCGGG 90  
 1 T Y F H D S S E K C E D I N E C E T G L A K C K Y K A Y C R 180  
 91 ACATACCTTCATGATTCCTGTGAGGAGTGTGAGATTTATGATGTAACCGGGCTGGCGAAGTGGCGAATGCGATTTGGGG 180  
 N K V G G Y I C S C L V K Y T L F N F L A G I D Y O H P D 270  
 181 AATTAAGCTGGAGGTATCATCTGAGCTGTTGAGATTAATATGATTTACTGACTTGTGCGCTGTTATGATGATCCTGGAT 270  
 C Y E N N S Q G T T Q S N D I W E N L R R N G S R E D F A 360  
 271 TGTAGAGAAACATAGTCAGGGAGCAGCTGAGATGGAAATCTGAGAGAATGGAGGAGAATGGAGGAGAATGGAGCTTGG 360  
 R R A T Q L I Q S V E L S I W N A S F A S P G K G Q I S E F 450  
 361 AGAAGGGCTACTCACTTAAAGCTGGAGATCTGGAGATGGAGCTGGAGATGGAGATGGAGATGGAGATGGAGATGGAGCT 450  
 D I V Y E T K R C N E T R E N A F L E A G N N T M D I N C A 540  
 451 GATATGGCTATGAGGAGCTGGCGCTTGGAGGAGATGGAGATGGAGATGGAGATGGAGATGGAGATGGAGATGGAGCTGG 540  
 D A L K G N L R E S T A V A L I T Y Q S L G D I L N A S F F 630  
 541 GATGCGTTAAAGGAAACCTAAAGAGAGGACTGAGGAGGACTGAGGAGGACTGAGGAGGACTGAGGAGGACTGAGGAGG 630  
 S K R K - G M Q E V K L N S Y V V S G T V G L K E K I S L S E 720—  
 631 AGTAAAGGAAAGGGTGGAGGAATGAACTGAGGAGCTTGGAGGAGCTTGGAGGAGCTTGGAGGAGCTTGGAGGAGCTTGG 720—  
 P V F L T F R H N Q P G D K R T K H I C V Y W E G S E G G R 810  
 721 CCTGCTGTTGACTTGTGACTTTGCCATANTCAGGCTGGTGCAGAGGAGCAGAACAGAACAGAACAGAACAGAACAG 810  
 W S T E G C S H V II S N G S Y T K C K C F H L S S F A V L V 900  
 811 TGGTCACAGGAGGGCTGCTCATGTCAGGAGGGTCTCACCAATGCAATGCAATGCAATGCAATGCAATGCAATGCA 900  
 A L A P K E D P V L T Q V G L T I S L L C L F L A I L 990  
 901 GCTCTGCCCCAACGGGACCTGCTGACCTGCTGACCTGCTGACCTGCTGACCTGCTGACCTGCTGACCTGCTGACCTG 990  
 T F L L C R P I Q N T S T S L H L E L S L C L F F L A H L L F 1080  
 991 ACCTTCCTCCCTGGCGGCCATCCAGAACACGGACCTCCATGCACTGCACTGCACTGCACTGCACTGCACTGCACTG 1080  
 L T G I N R T E P E V L C S I V G L T I S L L C L F L A I L 1170  
 1081 CTGAGGGGCATCACAGAACACTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCT 1170  
 M L L E G L H L F L T V R N L K V A N Y T S T G R F K K R F 1260  
 1171 ATGCCCTGGAGGGCTGGCACCTTCCTCACCTCACCTCACCTCACCTCACCTCACCTCACCTCACCTCACCTCACCT 1260  
 H Y P V G Y G I P A V I I A V S A I V G P Q N Y G T F T H C 1350  
 1261 ATGTCCTGCTGAGGATACGGATCCAGATAGTGGCTCATCTGAGGATAGTGGCTCATCTGAGGATAGTGGCTCATCTGAG 1350  
 W L K D K F I W S F M G P V A V I I L I N L V F Y F Q V 1440  
 1351 TGGCTAGCTGATTAAGGATTATCTGGGGCTCATCTGGGGCTCATCTGGGGCTCATCTGGGGCTCATCTGGGGCTCATCTGG 1440  
 L W I L R S K L S S L N K E V S T I Q D T R V M T F K A I S 1530  
 1441 CTGTTGGTTGGAGGCAACCTTCCTCCCTTAAAGGTTCCACCTCACCTCACCTCACCTCACCTCACCTCACCTCACCTCAC 1530  
 Q L F I L G C S W G L G F F M V E E V G K T I G S I I A Y S 1620  
 1531 CAGCTATTATCCTGGGGCTGTTCTGGGGCTGTTCTGGGGCTGTTCTGGGGCTGTTCTGGGGCTGTTCTGGGGCTGTTCT 1620

Figure 6

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F	T	I	N	T	L	O	G	V	L	E	F	V	V	H	C	L	L	N	R	Q	V	R	W	E	Y	K	K	W
1621	TTCACCATCAACCCCCCTTCAAGGGAGTCTTGGCTCTTGTGGTACACTGTCTCCCTTAACTGGCTAGGTCTGCGATGGTAACTTAAAGTGG	1710																										
F	S	M	R	K	G	V	E	T	S	T	E	N	S	R	T	T	Q	T	K	T	E	E	V	G	K	S	1800	
1711	TTATGGGGTGGTGGGAGGGCTTAACTGAGAACCTGAGATGTTGCTCTACTACCCAAACCAAAACGGGAGAACGAGTGGGGAGAGTCCT	1890																										
S	E	I	F	H	K	G	T	A	S	S	A	E	S	T	K	Q	P	Q	V	H	L	V	S	A	1980			
1601	TCTGAAATCTTCATAAAGGGGGCATCTGGCATCATCTGGTCAAGGTCAACCGAACGGCAAGGCCAGGAACTGAGGTCACTCTGCTGTGT	2070																										
W	L	K	M	N	*	TGGGTAAAGTGAACGTGACCTGGCAAGTGGCAGTGGCATGACCTGGCTCTTCCGGTTTGTCTTACGGGCCCTGGTGTGTC	2160																					
1891	CACATAGATTGGACAAATGCCACATTATTCAGCTTCCCTGTTGAAAGCTTAACTGGCTTAACTGGCTTAACTGGCTTAAAGTGGC	2250																										
1981	GGGGCGGGAGGGTGGGATTTTCTCTGTTAGATCCAGAGTCCAGTGTGGCTACTGCTGAGTGTGGCAGTGTGGCTACTGCTGAGTGTGGC	2340																										
2071	CTTTCGGCTCTCTGCTGTTATGCTGTTATGCTCCAGATTCATTAACATTCACATTCACATTCACATTCACATTCACATTCACATTCACATTC	2430																										
2161	GTATTAAGGGGTTGGTGGGTTGGGTTGGGTTGGGTTGGGTTGGGTTGGGTTGGGTTGGGTTGGGTTGGGTTGGGTTGGGTTGGGTTGGG	2520																										
2251	TGGGGCTTACCTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGG	2610																										
2341	ATCCCCCTACTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGG	2700																										
2431	ATGGCAAGACTGGCAACCAAACTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGGCTTAACTGG	2790																										
2521	GCCATTAATAAATGTTAGTTCTGCTTCTGGGACATGGGTGAAATCCGGSATTCGGGATCTGGGGCTTCCGGGATCTGGGGCTTCCGGGATCTGG	2790																										
2611	CACCRATC	2790																										
2701																												
2791																												

Figure 6 (continued)